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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of: Feige et al.

Attorney Docket No.: CISC277/5276

Application No.: 10/034,302

Examiner: Not yet assigned

Filed: December 28, 2001

Group: 2661

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Title: METHODS AND APPARATUS FOR  
IMPLEMENTING NAT TRAVERSAL IN  
MOBILE IP

Technology Center 2600

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Signed:

Latrice R. Williams

**INFORMATION DISCLOSURE STATEMENT**  
**37 CFR §§1.56 AND 1.97(b)**Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISC277).



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. CISCP277/5276	Application No.: 10/034,302
	Applicant: Feige et al. Filing Date December 28, 2001	Group 2661

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	5,473,599	12/05/95	Li, et al.	370	16	04/22/94
	A2	5,371,852	12/06/94	Attanasio, et al.	395	200	10/14/92
	A3	5,218,600	06/08/93	Schenkyr, et al.	370	16	12/26/90
	A4	5,018,133	05/21/91	Tsukakoshi, et al.	340	825.05	09/06/90
	A5	5,016,244	05/14/91	Massey, et al.	370	16	09/08/89
	A6	4,692,918	09/08/87	Elliott, et al.	370	85	12/17/84

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1							
	B2							

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### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication	Technology Center 2600
	C1	S. Kent and R. Atkinson, "Security Architecture for the Internet Protocol", RFC 2401, November 1998, 50 pgs.	
	C2	Release notes for 3Com Corporation, "Conducting a Redundant Route for Network Resiliency," March 1994, <u>NET Builder Family Bridge/Router</u> Pages 26-29.	
	C3	Uyless Black, "TCP/IP and Related Protocols," 1992, <u>McGraw-Hill, Inc.</u> , pages 226-249	
	C4	T. Li, et al., RFC 2281 "Cisco Hot Standby Router Protocol (HSRP)," March 1998	
	C5	C. Perkins, "IP Mobility Support," RFC 2002, IBM Corporation, October 1996,	
	C6	"Mobile IP," Release 12.0(1)T, pp. 1-55.	
	C7	Montenegro, G., "Reverse Tunneling for Mobile IP," RFC 2344, Sun Microsystems, Inc., May 1998.	
	C8	D. Harkins and D. Carrel, "The Internet Key Exchange (IKE)," Cisco Systems, June 1998.	

	C9	D. Cong and M. Hamlen, and C. Perkins, " <i>The Definitions of Managed Objects for IP Mobility Support using SMIv2</i> ," RFC 2006, Motorola and IBM, October 1996.
	C10	Aboba and Beadles, " <i>The Network Access Identifier</i> " RFC 2486, January 1999
	C11	Calhoun and Perkins, " <i>Mobile IP Network Access Identifier Extension, for Ipv4</i> ", January 12, 2000
	C12	S. Deering, Network Working Group Request For Comments 1256, " <i>ICMP Router Discovery Message</i> ", Xerox PARC, September 1991, Pages 1-19
	C13	Gleeson et al., Network Working Group Request For Comments 2764, " <i>A Framework For IP Based Virtual Private Networks</i> ", Lucent Technologies, February 2000, Copyright © The Internet Society (2000). All rights reserved, Pages 1-62
	C14	Tsirtsis et al., Network Working Group Request For Comments 2766, " <i>Network Address Translation - Protocol Translation (NAT-PT)</i> ", Campio Communications, February 2000, Copyright (C) The Internet Society (2000). All Rights Reserved, Pages 1-21
	C15	E. Rosen et al., Network Working Group Request for Comments 2547, " <i>BGP/MPLS VPNs</i> ", Cisco Systems, Inc., March 1999, Copyright (C) The Internet Society (1999). All Rights Reserved., Pages 1-25
	C16	Levkowetz, H. et al., " <i>Mobile IP NAT/NAPT Traversal using UDP Tunneling</i> ", Internet Draft, November 2001, 23 pages.
	C17	Khalil, Mohamed M. et al., " <i>Generalized NAI (GNAI) Extension for Mobile IPv4</i> ", Internet Draft, October 2001, 6 pages.
	C18	Adrangi, Farid and Prakash, Iyer, " <i>Mobile IPv4 Traversal Across Firewalls</i> ", Internet Draft, November 13, 2001, 30 pages.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read 'Elise R. Heilbrunn', with a long horizontal flourish extending to the right.

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